

INDEX.

VOLUME II.

Publications of the American Economic Association.

A

Adams, Prof. Henry C., references to, 128; chairman of the Committee on Public Finance, 504; author of Relation of Modern Municipalities to Quasi-Public Works.....	507
Alexandria, municipal ownership of gas-works in....	523
Allegan County, coöperation of Patrons of Husbandry of.....	33
American Coöperative Union	101
American Gas-Light Association	513, 518
American Grange Bulletin...	18
Apothecaries, mediæval....	425
Apprentices, mediæval....	373, 453, 456, 467, 479
Armstrong, on trading in 1519.....	363
Ashley, W. J., author of Early History of the English Woollen Industry...	298
Ashtabula County, creameries in.....	29
Atkinson, Edward, on savings effected by railroads..	286

B

Bainbridge, coöperative cheese factory at.....	27
Bakewell, <i>see</i> Blackwell....	
Baltimore, street railways in, 552, 556, 558, 561	
Bank of Pennsylvania, loans of, to the state	154

Bay City, Mich., electric lighting in.....	547
Beale, W. J.....	33
Beck, Senator, on constitutionality of Inter-State Commerce Act.....	281-282
Berwick-on-Tweed, relation of guilds and town government in.....	421-422
Bird, Henry.....	92
Black, Judge Jeremiah, on conservatism of rural population.....	10
Blacksmiths, mediæval guild of.....	369
Blackwell.....	361
Bloomington, Ill., mining company at.....	87
Bodin, Jean.....	127
Boot and Shoe Coöperative Association of Detroit....	98
Boston, street railway charters in, 551; sentiment in, with regard to municipal ownership.....	562
Brabançons.....	346
Brass, William, on canals..	290
Breitenstein, H.....	80
Brembre, Nicholas.....	362, 444
Brentano, on early guilds, 311; on origin of Anglo-Saxon guilds, 389; on Anglo-Saxon boroughs, 414; on origin of craft-guilds, 434; on triumphs of guilds, 442-443; on sales by candle-light	452
Bridge Companies.....	139
Battle Creek Coöperative Association.....	33

- Brush Electric Lighting Com-
 pany of Detroit, 539;
 Judge Cooley on injunction
 against, 541; towers of... 542
 Buckeye Mining Company.. 84
 Burellers..... 321
 Burgess..... 416-417, 422-423
 Burghers, antagonism of, to
 guilds... 319, 440
 C
 Cadmus, coöperation at.... 37
 Caine, John T., 109, 114-115, 117
 Canals, early prospects for
 in Pennsylvania, 134;
 Chesapeake and Delaware,
 137; Schuylkill Navigation
 Co.; 138; convention of
 representatives of, 141;
 commissioners of, 142; the
 Pennsylvania, 143; com-
 pared with railroads in
 traffic, 278-279; in transpor-
 tation, 288-291; and rail-
 roads in rates..... 291
 Canons of Laon..... 330
 Capital, tax on, in Pennsyl-
 vania, 211-212; wasted in
 railroad construction, 283-
 284; and labor, opinion as
 to early conflict of, 476-
 477; in gas-works..... 517-518
 Carey, Matthew..... 145, 150
 Carpenter's Coöperative As-
 sociation, of Decatur, Ill.. 94
 Carpenters, mediæval..... 477
 Central Business Agency, of
 Ohio..... 15, 17
 Central Furniture Co., of St.
 Louis..... 90-91
 Chambers, Joseph, agent of
 State Grange at Chicago.. 35
 Cheese, manufacture of.. 27-29
 Chesapeake and Delaware
 Canal..... 137
 Chicago, growth of, 519; sen-
 timent in with regard to
 municipal ownership.... 562
 Chicago Coöperative Packing
 and Provision Company.. 99
 Christianity, influence of, in
 formation of early guilds
 390-393
Christian Review, on specula-
 tion in 1844..... 158-159
 Cincinnati, revenues from
 street railways in..... 558
 Cincinnati Grange Supply
 House..... 17-24
 Circular sent to municipal
 authorities..... 522-523
 Cleveland, electric lighting
 in, 549; revenue from rail-
 way companies in 555
 Cleveland Coöperative Stove
 Company 94
 Cloth, manufacture of, in
 twelfth and thirteenth
 centuries, 325-328; exports
 and imports of, 339-340,
 362; increased manufac-
 ture of, in England, 351,
 353; explanation of rise of
 trade in, 354-355; finishers
 of, 355-356; sale of, in fairs,
 360, at Blackwell..... 361
 Clothiers, mediæval, 375-
 376, 378; act of Edward IV
 on..... 377, 380
 Clothmakers..... 370, 372
 Cnighen-guilds..... 395-396
 Cobblers, mediæval..... 452
 Coddington, V. W..... 93
 Code, civil, of California, on
 license fees for street cars, 554
 Cologne, growth of import-
 ance of..... 332
 Colorado Coöperative Mer-
 cantile Association, of
 Denver..... 81
 Columbus, water supply in.. 536
 Commissioners of canals.... 142
 Competition, failure of to
 regulate railroad rates,
 255, 264; impotency of, in
 water-works, 511; in gas
 companies in New York.. 512
 Connecticut, water-works in
 524, 526
 Constant, Kansas, coöpera-
 tion at..... 37
 Contests of plebeian arti-
 sians and patrician
 burghers..... 440
 Convention of canal repre-
 sentatives..... 141
 Converse, J. O., editor of
Geauga Republican..... 27
 Cooley, Judge..... 246-248, 541

- Coöperation, Three Phases of, in the West, 3; among farmers, 9; in Ohio, 15; in creameries, 26, 30; in Indiana, 31; in Michigan, 33; in Illinois, 34; in Missouri, 35; in Kansas, 35; in Nebraska, 38; causes of failure of, 39; inferiority of, to competition under certain conditions, 40; lack of proper legislation for, 42; inadaptation of rural life to, 43; opposition of middle men to, 45; residual benefits of, 46; among wage-earners, 49; attitude of laborers to, 50; "individual," opposition of socialists to, 51; integral, 61; distributive, 67; productive, list of companies of, 82-84; in mining companies, 84; of furniture-makers, 90-92; in planing mills, 92-93; causes to retard its development, 101-105; among the Mormons, 106-119; in irrigation, 114-116; and religion, 118-119
- Coöperative Association No. 1, 69-74
- Coöperative Coal Company at Peoria, 87
- Coöperative Furniture Company of Cincinnati, 91-92
- Coöperative Reed Chair Factory of Michigan City, 92
- Coöperative Stove Company of Bloomington, 95
- Coöperative Tile Company of Cable, Ill., 96
- Cordwainers, 452, 470
- Corporation, taxes on, 210; rise of from guilds, 370, 449
- Court of Appeals of New York, on powers of municipalities over street railways, 553
- Court leet, 459
- Covin and conspiracy, 471
- Craft-guilds, transformation of, into class corporations, 372; origin of, 430; objections to Brentano's views, 435; development of, under the early Normans, 436; relation of, to guilds-merchant, 439; early charters on, 444; the outgrowth of mediæval policy, 447; ordinances of, 451; prohibition of night work by, 452-3; and encroachment of episcopal lords, 459; true nature of, 465; judgment as to merits of, 479; limitations of, on members, 479-480
- Creameries, coöperative, 26-30
- Credit of Pennsylvania restored, 189
- Croes's work, 537
- Cullom bill, report of, in 1886, 265-272; constitutionality of, 273-274, 281-283; reflections on, 274-277; Senators Morgan and Stanford on, 293-295
- Curtis, Judge, on creditors of Mississippi, 159-160
- Cutlers, 453
- Cuyahoga county, creameries in, 29
- D
- Danville, municipal ownership of gas-works in, 523
- Davis, Mr., on federal regulation of railroads, 259
- Debt of Pennsylvania, history of, 151; report of committee on, 153, 154; amount of, in 1831, 156; increase of, to 1836, 157; appointment of a commission on, 166; interest on, 183, 187; refunding of, 193
- Detroit, water-supply in, 536; electric lighting in, 539, 545
- Development, economic, effect of railroads on, 248-250
- Dewey, Dr. D. R., 503, 505; author of Municipal Revenue from Street Railways, 551
- Dillon, Judge, on taxing power of a city over street railways, 554; on municipal corporations, 563
- Discriminations in railroads, 265
- Domestic creditors, 176

- Domestic system.....366-367
 Drapers, mediæval.....
 ...354, 357, 358, 359, 360, 361, 371
 Dyers, mediæval, 318; and
 fullers, contests of, with
 municipal authorities...441-442
- E
- Early History of English
 Woollen Industry..... 298
 East Side Planing Mill of
 Kansas City..... 93
 Edward, I, industrial effects
 of reign of, 320; III, en-
 couragement of immigra-
 tion of workmen from
 Flanders, 335; IV, act of,
 on clothiers, 377; VI, con-
 fiscation of guilds' estates 374
 Eglinton, integral coopera-
 tion at..... 62
 Electricity, superseding gas
 for lighting purposes.... 549
 Electric lighting, system of,
 in Detroit, 503, 545; tables
 of cost of, 546-547; in vari-
 ous cities.... 547-549
 Ely, Richard T., Introduc-
 tion to Historical Sketch
 of the Finances of Penn-
 sylvania..... 126
 England, state control of
 municipalities in, 570; sta-
 tistics of municipal corpo-
 rations in, 576, 577; gas-
 works in, 576; water-works
 in..... 577
 Ensign, E. F..... 16
Evening Journal, of Detroit,
 figures of, for electric light-
 ing..... 546-547
 Exports and imports of wool
 and cloth.....339-340, 362
- F
- Fairburg, Ill., coopera-
 tion in mining at..... 86
 Fairs in middle ages..... 360
 Family theory as to origin
 of guilds..... 397
 Fannie Allyn Coöperative
 Association.....69, 72
 Farmers, coopera-
 tion among, 9; independence of, re-
 stricted, 10-11; organiza-
 tion into Patrons of Hus-
 bandry, 12; productive co-
 operation in creameries
 among, 26; inadaptation of
 life of, to coopera-
 tion, 43; general indebtedness of... 45
 Federal government, exten-
 sion of functions of..... 246
 Fern..... 348
 Feudal system..... 431
 Finance, science of, 508; dis-
 tinction from Political
 Economy..... 509
 Finances of Pennsylvania,
 179; act of 1845, 183-184;
 from 1845 to 1849, 189; sink-
 ing fund, 190; in 1886 204;
 constitutional provision
 for.... 221
 Fink, Albert, on canals.... 289
 Flanders, export of wool to,
 from England, 333-334;
 emigration of workmen
 from, to England..... 335
 Flemings, the.....337-339, 346
 Flemish industry, destruc-
 tion of..... 366
 Fontanet, Ind., coopera-
 tion at..... 87
 Foreigners, mediæval, in
 weavers' trade in London,
 342-345; opposition to, in
 England, 407; and free-
 man, distinction between,
 449-450; reception of...462-463
 France, state control of mu-
 nicipalities in, 574; water-
 works in, 578; gas-works
 in..... 579
 Franchises, sale of, to street
 railway companies, 555;
 sale of, in various cities.. 559
 Free-masons..... 477
 Fremont, manufacture of
 headers at..... 38
 Frith-guilds..... 421
 Functions of government,
 563-564
 Fuller, account of, of foreign
 settlers in England...337-339
 Fullers, mediæval, 318, 357;
 and dyers, contest of
 with municipal authori-
 ties.....441-442

Furniture-makers, coöperation of.....90-92

G

Gas, tables of prices of, 514;
cost of production of, 515-
516; amount of capital in,
517; companies in New
York, 512; legal price of,
in Richmond, Ind., 529;
and electricity in Detroit

540-544

Gas-works, municipal own-
ership of, in five towns,
523; principles of municipal
control over, 527; in
England, 577; in France,
579; in Germany..... 578

Geauga County, creameries
in.....27, 29

Germany, state control of
municipalities in, 573; sta-
tistics of municipal works
in..... 578

Glovers, mediæval..... 453

Goodnow, Prof. Frank J.,
503, 505; author of Powers
of Municipalities Respect-
ing Public Works..... 563

Goodwin, Mr. W. W., on
gas question..... 513

Gossage, William..... 101

Government, relation of, to
transportation.....239-241

Grangers, movement of,
12; stores of, in Ohio, 15;
Cincinnati Grange Supply
House, 17; Central Busi-
ness Agency, 15; at other
places, 25-26; in Indiana,
32; agitation of railroad
question by..... 261

Green, E. T..... 37

Grocers, mediæval, 363, 425;
petition against usurpa-
tions of, 444; company of,
in London..... 448

Grummond, Mayor of De-
troit..... 540

Guilds, mediæval, establish-
ment of, 308; relation of, to
governing bodies, 313; laws
for government of, 316;
burghers antagonistic to,
319; of merchants in Co-

logne, 333; of Flemings at
Brabançons, 346; classes of,
351-352; decline of system
of, 366, 370; of blacksmiths,
369; overthrow of system
of, 374; Mediæval of Eng-
land, Two Chapters on,
381; Anglo-Saxon, origin
of, 389, 398; three kinds of,
390; influence of Christi-
anity on, 390-391; and *wer-
gild*, 393; privileges of
members of, 408; relation
of, to the town, 413; opin-
ion as to existence of, in
Anglo-Saxon period, 414;
government of, not identi-
cal with that of town, 418-
420; name for whole body
of citizens, 427; contests of,
with burghers, 440-441;
lesser, 447; charitable, 448;
membership in, 449; rules
of, dependent on laws of
realm, 456-457; members
of, subject to civil authori-
ties of London, 459-460;
subject to town laws, 461-
462, 464; etymology of
word, 483-485; list of au-
thorities for study of...487-493

Guilds-Merchant, (*Gilda Mer-
catoria*), 314; early origin
of, 402-403; monopolizing
internal trade, 405; organ-
ization of, 409; general reg-
ulations of, 411-412; con-
nection of, with origin of
municipalities, 416, 425;
and borough, 420; second
period in development of,
424; summary of chapter
on..... 428-429

H

Hall, on discontent in 1525.. 378

Handicraftsmen..... 431-433

Hanse (*Hansa*), of the guild,
407, 428; of London, 331,
354; Teutonic.....333, 356

Harrison, receiver of Cincin-
nati Grange Supply House 24

Harrison, Hon. Carter H... 51

- Headers, coöperative manu-
 facture of, by state grange
 of Nebraska..... 38-39
 Henry VI, VII, VIII, ordi-
 nances of, on guilds.... 372-373
 Hill, W. H., Manager of Cen-
 tral Business Agency of
 Ohio..... 15
 Historical Sketch of the Fi-
 nances of Pennsylvania,
 134; introduction to..... 126
 Hoar, Senator, on railroad
 question..... 284-285
 Howard, William..... 27, 28
 Huntington Coöperative As-
 sociation of Indiana..... 32
 Huntsville, coöperation at.. 87
 Hyndenmen..... 394
- I
- Illinois, coöperation among
 farmers of..... 54
 Illinois Central Railroad. 287, 288
 Imports of wool and cloth
 into England in 1354.. 339-340
 Income tax in Pennsylvania, 208
 Indiana, coöperation among
 farmers of..... 31
 Industry, four stages in de-
 velopment of, 367-368; con-
 dition of, in fifteenth cent-
 ury in England..... 369
 Insurance companies, tax on,
 in Pennsylvania..... 213, 214
 Interest, certificates of, in
 Pennsylvania, 175-176; on
 debt of Pennsylvania..... 183
 Internal Improvement Fund
 of Pennsylvania..... 143
 International Working Peo-
 ple's Association..... 51
 Inter-State Commerce Act,
 283, 291-293
 Irrigation, coöperation in,
 114-116
- J
- James, Prof. E. J., author of
 the Agitation for the Fed-
 eral Regulation of Rail-
 ways..... 244
 Jenks, Prof., on road legisla-
 tion for the American
 State..... 242
- Johnston County Coöpera-
 tive Association..... 36, 55
 Journeymen, mediæval....
 371, 470, 479
- K
- Kansas, coöperation among
 farmers of..... 35
 Kempe, John..... 335
 Kempfe, Augustus, on coöper-
 ation, 53; The Key of
 Industrial Coöperative
 Government, by Pruning
 Knife..... 65
 Knight, Dr. G. W., 505; letter
 of, to chairman of com-
 mittee on public finance.. 513
 Knights of Labor, Coöpera-
 tive Association No. 1,
 69-74; in favor of coöpera-
 tion, 57; and integral coöper-
 ation, 61-64; coöperation
 in mining companies.... 84-90
 Kuechler, George, C.. 70, 73, 74
- L
- Labor and Capital in middle
 ages..... 476-477
 Laborers, attitude of, to
 coöperation, 50; statutes of,
 in England..... 474
Laissez faire, influence of,
 on municipal ownership of
 gas-works..... 524-525
 Lake County, creameries in. 29
 Lancaster Turnpike..... 138
 Lansing Coöperative Asso-
 ciation..... 33
 Laramie Coöperative Asso-
 ciation..... 78-81
 Law, general, in America,
 on powers of municipali-
 ties..... 567-568
 Legislature, the, and muni-
 cipalities..... 568-569
 Lehigh Coal and Navigation
 Company..... 138
 Letter transmitting the re-
 port of the committee on
 public finance..... 501
 Lewiston, Maine, electric
 lighting in..... 547

- Licenses in Pennsylvania, from 1840 to 1846, 182, 214-217; fees for street cars in civil code of California... 554
 Lighting, method of..... 511
 Livermore, H. C..... 35
 Livery Companies, mediæval 447
 Local Government Board of England..... 570
 Loans, tax on, in Pennsylvania..... 214
 London, England, early municipal self-government in, 319; weavers' guilds in, 340-342; Ontario, electric lighting in..... 549
 Loughbridge, Mr..... 259
 Lunn, Dyer A..... 106
- M**
- McGaughey, J. P..... 58-59
 McLouth, Kansas, coöperation at..... 37
 Madison, Indiana, electric lighting in..... 548
 Maegth..... 397
 Manhattan, Kansas, coöperation at..... 37
 Martha Washington Coöperative Association..... 97-98
 Masons, mediæval..... 477
 Massachusetts, water-works, in, 524; public ownership of works in..... 526
 Matthews, Robert, on municipal ownership of gas-works and water-works... 525
 von Maurer, on early guilds. 313
 Mechanics' Furniture Association..... 91
 Mechanics' Planing mill Company of St. Louis.... 92-93
 Mercers, mediæval..... 363, 425
 Merchant Adventurers, 364-366, 378-379, 424
 Merchant-guilds, *see* Guilds-Merchant
 Metropolitan Railroad, charter to..... 551
 Michigan, coöperation among farmers in..... 33
 Middle-men, hostility of, to coöperation..... 45
 Miller, W. W..... 17
 Mining Companies, coöperation among..... 84-90
 Misselden, account of imports and exports of... 339-340
 Mobile, revenue of, from street railways..... 559
 Modern Municipalities, relation of, to quasi-public works..... 497
 Monopolies, Natural, state control of, 128-129; tendency of transportation towards, 250; and municipalities..... 520
 Montgomery, Ward & Co... 48
 Moore, Charles, 503, 505; author of *Electric Lighting in the City of Detroit*.. 539
 Morgan, Senator, on constitutionality of Cullom bill, 293-294
 Morgan, T. J., report of speech of, in opposition to coöperation..... 51-53, 55
 Mormons, coöperation among..... 106-119
 Mound City, coöperation at.. 37
 Municipalities, relation of, to public works in the United States, 501, 503, 507; revenue of, from street railways, 503, 551; and monopolies, 520; theories as to ownership of public works by, 523-525; control of, over public works, 527-531; ownership of electric works in various cities, 547-549; two objections to ownership of public works by, 549; relation of, to street railways, 553; sentiment with regard to ownership of public works by, in various cities, 562; powers of, respecting public works, 563; state control over, 565-569; state control over, in England, 570, 572, 581; in Germany, 573, 581; in France, 574, 581; ownership of public works by, in England, Germany and France..... 577-579

- Municipal Corporations Act of England..... 571
- Mysteries, representatives of in Council of London, 351; act for regulation of, 352, 447
- N
- Nantes, council of, on guilds, 398
- Naptha Gas Company of Detroit..... 540
- National Coöperative Guild, 74-76
- National Grange Bulletin*.... 15
- Neasham, Thomas..... 81
- Nebraska, coöperation among farmers of..... 38
- Nelson, N. O..... 100-101
- New England, public ownership of works in..... 525-526
- New Hampshire, public ownership of works in.... 526
- New Orleans, street railway charters in, 552; sale of franchises in..... 559-560
- New York, gas companies in, 512; sale of franchises in, 560-561; sentiment in, with regard to municipal ownership..... 562
- Nimmo, report on internal commerce..... 278
- Notaries public, tax on, in Pennsylvania..... 209
- O
- Oakwood, coöperation at... 37
- Ohio Valley Coöperative Pottery Company..... 96
- Olathe, coöperation at.... 35-36
- Orth, Mr..... 259
- Our Girls Coöperative Clothing Manufacturing Company..... 97
- P
- Pareur..... 355
- Paris, public works in, 577; franchises to omnibus and tramway lines..... 580
- Patricians, contests of, with plebeians in middle ages 440-444
- Patrons' Coöperative Bank of Olathe..... 36
- Patrons of Husbandry.... 12, 33
- Penn, William..... 134, 196
- Pennsylvania, Historical Sketch of Finances of, 123; causes of abandonment of her system of internal improvements, 130-132; public spirit of her citizens, 134; internal improvements in, 135; canal of, 143; history of debt of, 151; credit of, 159-160; revenues of, 163; failure of resources of, 167; finances of, 179; sinking fund of, 190; revenue act of 1885 of, 218-221, 225
- Pennsylvania Railroad Company..... 148
- Peoria, Ill., Coöperative Coal Company at..... 187
- Peter of Edelmeton..... 328
- Pewterers, mediæval..... 453
- Philadelphia, municipal ownership of gas-works in, 523; street railway companies in..... 556
- Plattsmouth, manufacture of cultivators at..... 39
- Political Economy in England and America, 302-303; two schools of, 304-306; definition of..... 507
- Pollock, Governor, on sale of public works of Pennsylvania..... 149
- Porter, Governor, on the finances of Pennsylvania..... 167-170
- Poor, Mr., on cost of railroads in United States.... 285
- Pope, the, proclamation of, in 1383..... 471-472
- Powderly, T. V., on coöperation..... 61
- Powers of municipalities respecting public works.... 563
- President's message in 1872. 261
- Preston, survival of guild customs in..... 427
- Price of gas, disregard of competition in fixing.... 512
- Prices, customary, in middle ages..... 455
- Property, personal, in Pennsylvania..... 204

- Providence, rental of franchises in.....561-562
 "Pruning Knife," on coöperation..... 65
 Public Finance, report of the committee of the American Economic Association on..... 497
 Public Health Act of England..... 571
 Public Improvement Society, 140
Public Ledger on act of 1845, 186
 Public ownership of works in New England, 525-526; conclusions as to..... 526-527
 Public works, control over, by municipalities, 527; powers of municipalities respecting..... 563
 Public works of Pennsylvania, cost, revenue and expenditures of, 144; sale of, 146, 148, 150; reason for failure of..... 151
- R
- Railroads, relation of government to, 241; monopoly nature of, 249-250; necessity of regulation of, by federal government, 251; corruption in early construction of, 252-254; failure of competition as a regulator of, 255; abuses of, 257; report in House of Representatives on, in 1868, 260; Windom report, 262; discrimination in, 265; Cullom report, 267; growth of traffic of, as compared with canals, 278-279; Supreme Court decisions on, 279-283; capital wasted in construction of, 283-284; cost of, 285; saving effected by, 286; rates as compared with canals..... 291
 Railway Question, 228; report of committee of Association on.....236-243
 Rates on canals and railroads..... 291
 Receipts, gross, tax on, in Pennsylvania.....212-213
- Relation of Modern Municipalities to *Quasi-Public Works*..... 497
 Relief notes, the, of Pennsylvania.....174, 175
 Religion and coöperation, 118-119
 Report of the Committee on Public Finance of the American Economic Association..... 497
Republican, Geauga..... 27
 Repudiation in Pennsylvania.....183, 185-186
 Revenue of Pennsylvania, 163, 203, 218-221; surplus of United States, 164; municipal, different ways of deriving, from street railways, 551, 555-556; by taxation and licenses of street railways in various cities, 557; by sale of franchises of street railways.....559-561
 Richmond, Ind., price of gas in..... 529
 Richmond, Va., municipal ownership of gas-works in. 523
 Roads, legislation on, for the American state.....242-243
 Robert of Poley..... 349
 Rochester, N. Y., electric lighting in..... 548
 Roxbury, street railway charter in..... 551
 Rural coöperation, *see* farmers.
- S
- Saddlers, journeymen, of London..... 472
 St. Louis, coöperation in...90-93
 St. Louis Furniture Workers' Association..... 90
 St. Paul, street railway charter in..... 552
 Samuel. John, on coöperation.....59-61, 66-67
 San Francisco, electric lighting in, 548; railway companies in.....555-557
 Sawyer, Granville, on coöperation..... 54
 Schaeffer, Dr. Chas., on gas capital..... 517

- Schilling, Socialist, on coöperation..... 53
 Schuylkill Navigation Company..... 138
 Science of finance, definition of..... 508
 Seligman, Dr. E. R. A., author of *Two Chapters on the Mediæval Guilds of England*..... 383
 Sharpe, Henry E., manager of integral coöperation.... 62
 Shay, John H..... 76
Shearer, mediæval..... 355
 Shearman, mediæval.... 359, 371
 Shopping by mail..... 47
 Simon de Montfort..... 334
 Sinking fund of Pennsylvania..... 190, 192
 Smith, Rev. Sidney, 160; letter of, to Congress..... 178
 Socialists, opposition of, to individual coöperation.... 51
 South Bend Coöperative Association..... 37
 Speculation, spirit of.... 157-159
 Spring Hill, coöperation at. 37
 Spurriers..... 452
 Stallage, in middle ages. 317, 439
 Standard Coöperative Pottery Company, of East Liverpool, Ohio 95-96
 Stanford, Senator, on Cullom bill..... 294-295
 Stanhope, Mr..... 27
 Staple, the, merchants of... 333
 State bills of credit of Pennsylvania..... 174-175
 Statutes of laborers..... 474
 Sterne, Simon, on canals.... 289
 Streator Coöperative Society 76-78
 Street railways, early characters to, in various cities, 551-552; relation of, to municipalities, 553-554; companies of, to keep streets in repair in various cities, 555; municipal revenue from.... 551, 557-558, 559-561
 Strickland, William..... 143
Summa Convicia..... 411, 414
 Summer, Mr..... 161-162
 Summit Coöperative Coal and Mining Company.... 88
 Sunbury and Erie Railroad Company..... 150
 Supply House of Ohio..... 15
 Supreme Court railroad decisions..... 279-283
- T
- Tailleur, Perot C..... 328
 Tailors' guilds..... 459
 Taxation in Pennsylvania, place of, in revenue, 120-127; opposition of people to, 157; recommendations of treasurer on, 165; Governor Porter on, 167-168; report of committee on, 171-172; law for imposing, 172-173; act of 1844, 177-178; at various times, 180-182; on state loans, 187; law for, in 1858, 192; local, 194; by Dutch and Swedish settlements, 195-196; apportionment of the demand by congress in 1782, 198-199; assessment and collection of, 200-201, 202-204; on personal property, 204-205; other forms of, 206-208; constitutional provision for..... 221-225
 Taylor, Benjamin F..... 111
 Terre Haute, Indiana, electric lighting in..... 548
 Thompson-Houston Electric Company in Detroit..... 544
 Three Phases of Coöperation in the West..... 3
 Thurber, B. F., on canals, 289-290
 Toledo, electric lighting in.. 549
 Tonsor..... 355
 Toothaker, Hon. W. H.... 35
 Towns, English, origin of, 413; not developed from guilds, 414; influence of, in economic life..... 458
 Trade, in cloth, explanation of rise of, 354-359; early restricted to merchant guilds, 404; impositions on, in early England, 405; mediæval, three offences of..... 455
 Traders, rise of companies of 347

Transportation, tax on companies of, in Pennsylvania, 212; the part of government in, 239; different ways of, 242; by canals, 288-291
 Treasurer of Pennsylvania, report of, in 1845, 184; county..... 203, 206
 Treasury of Pennsylvania, abstract of operations of.. 182
Tribune, Chicago Daily, report of socialist meeting..... 51-55
Trinoda necessitas..... 405
 Two Chapters on the mediæval Guilds of England.... 381

U

Union Canal..... 136-137
 Union Mining Company.... 85
 United States Bank of Pennsylvania..... 161-162
 Utah, coöperation in.... 114-115

V

Vermont, public ownership of works in..... 526

W

Waite, Chief Justice, decision on railroad case... 279-280
 Walker, Francis A. 56, 103, 104
 Wallace, John M. 185-186, 187
 Warner, A. G., author of Three Phases of Coöperation in the West..... 3
 Watches, tax on, in Philadelphia..... 204-205
 Watered stock in gas-works 518
 Water-works, Dr. G. W. Knight on, 502, 533; number of, in the United States, 511, 520; municipal control of, 523, 527; in New England, 525-526; in Columbus, 536; in Detroit, 536; in England, France and Germany..... 577-579
 Weavers, mediæval, early existence of, 310-311; in London, 319-320, 340-346, 463-464; of Flemings, 346-

348; and craft-guilds, 438-439; contests of, with burghers, 440-441; prohibition of night work by..... 453
Wergild..... 392-393
 Wheeling, municipal ownership of gas-works in..... 523
 Windom report..... 262
 Woad..... 318, 326
 Wolcott, F. P..... 17
 Wolfe, Governor of Pennsylvania..... 150, 156
 Wolsey and the drapers.... 378
 Woman's Coöperative Exchange of Denver..... 66
 Wool, importance of industry of, in mediæval times, 308-309, 374-375; industry of, in London, 322, 324; export of, from England, 329-330, 333-334; decree of barons on, in 1258, 334; prohibition of exportation of, 336; export and import of, in 1354, 339-340; dealers in..... 355-356
 Workmen, condition of, in mediæval times, 468; contests of, with the master, 470-471
 Worsteds stuffs, manufacture of, in Norwich..... 349-350
 Worthington, T. K., author of Historical Sketch of Finances of Pennsylvania.. 123

Y

Yager, Arthur..... 505
 York Society of Integral Coöperation..... 62-64
 Young, Brigham.... 107, 108, 112
 Ypsilanti, Mich., electric lighting in..... 548

Z

Zion's Coöperative Mercantile Institution, 107-114; Caine, John T. on, 109; statement of resources of, 110; shareholders in..... 112
Zunft-Zwang..... 445